

10.6 Practice B

1. A randomized comparative experiment tests whether photo therapy affects the size of the area of skin irritations. The control group has eight patients and the treatment group, which receives the photo therapy, has eight patients. The table shows the results.

	Area of Skin Irritation (square centimeters)							
Control Group	4.2	1.3	5.1	3.4	2.7	4.1	3.6	2.4
Treatment Group	1.2	2.5	4.1	3.7	2.1	1.5	2.4	1.9

- Find the mean area of the control group.
- Find the mean area of the treatment group.
- Find the experimental difference of the means.
- Display the data in a double dot plot.
- What can you conclude?
- Resample the data using a simulation.
- Find the mean score of the new control group.
- Find the mean score of the new treatment group.
- Find the experimental difference of the new means.